D.D.DeMasi, Sr.
1216 Beekman Road
Hopewell Junction, NY 12533
(845) 227-5387
(845) 227-7312

Pre-Folded Extended Full Flanged with many tacks built-in the paper or self-adhesive double sided tape end with built-in extensions

Description

Background of the Invention

1) Field of the Invention

Ever since the start of insulation, weather it be hay, straw, leaves or more modern material, as we know it, today, there has always been the problem of condensation.

It's widely know that water condensation build up will destroy insulation and not stop with destroying the structure within walls, roof, etc.

The only way to prevent this enormous problem is to have excellent air ventilation.

But this easily preventive problem has been overlooked and what's being installed now, is no more than a very small solution to a very big problem.

Brief
Description of the Drawing

Fig 1 – The continuous rolled air baffle being unrolled, clearly showing the flexible adhesive taped ends with the protected cover and the many different support posts with the adhesive tape ends, no nails or staples are needed to install to any surface.

Fig 2 – Showing the flat continuous air baffle with the many different support posts with the adhesive end and the protected cover no all the ends, there is no need for nails or staples to attach to any surface.

Fig 3 – Clearly showing a dome home where the regular air baffle would be impossible to use, simply because of the round roof.

Fig 4 – The chalet with very high ceiling, clearly showing how vertical the continuous rolled or flat air baffle is.

Fig 5 – The callow home, showing how the roof will taper off, from a large base to a very thin top. And how this invention can be cut to fit any work situation, and still work at the highest peak of perfection.

Fig 6 – The round outcove addition would be impossible to install air baffles as we know it today, and them perform as they should which they can't because of the hard round radius. The continuous rolled or flexible flat air baffle would do the job correctly and efficiently.

Fig 7 – Showing as standard width between the roof rafters or roof trusses. Showing very clearly how nicely the continuous rolled or flat flexible air baffle is completely secure to the roof flooring by the self sticking adhesive tape on the flanges and by the ending on the support post ends.

Fig 8 – Extra wide space or uneven space between the roof rafters or roof truss. What is very clear is how universal this air baffle is. You are able to stick the ends together for a tight seal and attach to the side walls of the rafter or truss and still have unobstructed air flow maintained always.

Fig 9 – Showing how easily to remove the protected tape adhesive stripes just before installing the continuous rolled or flat flexible air baffle.

Detailed Description of the Invention

Fig 1 - Showing the continuous rolled and flexible air baffle.

2) the Self-Adhesive Tape Flanged ends.

3) The many support post.

4) The end of the support posts with self adhesive end with the protected cover on each end.

5) Showing the flexible mat that the support ends are attached to.

Fig 2, 1) showing the continuous flexible flat air baffle.

2) Showing how easy to attach to the other end of the air baffle for a tight seal so there always and unobstructed continuous air flow

3) Showing the self adhesive taped ends

4) Showing how easy to fold the end downward

5) The flat supporting flexible holding mat

6) The supporting post with the self adhesive tape

7) The protected adhesive tape

Fig 3 – 1) roof air vent

2) Continuous rolled roofing support ends

3) Showing just how flexible the continuous rolled air baffle is

4) Dome roof insulation being protected by the continuous rolled air baffle supporting mat.

5) Sheetrock against the insulation

6) Rounded rafters supporting the roof system with unobstructed continuous air flow

7) Safety vent

Fig 4)

1) chalet roof vent
2) showing the continuous flat air baffle
3) showing the supporting post ends that are attached to the roof by the self-adhesive tape on each end
4) the insulation between the continuous flat, flexible air baffle
5) the sheetrock against the insulation
6) the chalet roof rafter on roof truss, showing the unobstructed air flow from the soffit vent to the roof vent.
7) Soffit vent

Fig 5)

1) Roof vent
2) Willow house roof rafters
3) Clearly showing how early the continuous rolled air baffle works, when installing on a rounded and tapered end roof
4) Soffit vent
5) The continuous rolled air baffle support post ends
6) Even though the roof is tapered. The airflow is unobstructed

Fig 6)

1) the outcove addition wall showing the continuous rolled air baffle support ends
2) insulation between the continuous rolled air baffle and the studed walls
3) the interior wall, against the insulation
4) The supporting post ends, making sure for an even and unobstructed air flow

5) Inside wall studs.

Fig 7)

1) roof flooring
2) the supporting post
3) the mat or backing for the continuous rolled or flat air baffle
4) the flanged ends that are connected to the continuous rolled or flat flexible backing or mat
5) roof rafter or roof truss end
6) insulation between the roof rafter, or roof truss
7) the self adhesive flanged tape attached to the bottom of the roof flooring.
8) The clean and unobstructed air flow section between the supporting post.

Fig 8)

1) the roof flooring
2) the supporting post ends sticking to the roof flooring
3) the continuous rolled or flat flexible backing or mat
4) the two separate self adhesive taped ends, taped securely together to form a tight seal so the airflow won't be blocked by the insulation pushing up against it.
5) The two separate air baffles are attached to the side of the roof rafter or roof truss
6) Insulation in the roof bay
7) Roof rafters on roof truss

Fig 9)

1) the protected self-adhesive tape tab is being removed just before installing between the roof rafters or roof truss

2) exposed self adhesive glue with the protected tape end being pulled off

3) the supporting post ends without the protected seal cover on

4) the support post

5) supporting backing or mat.